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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/764,062	01/19/2001	Takeshi Misawa	0905-0255P-SP	6672

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EXAMINER
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MISLEH, JUSTIN P

ART UNIT	PAPER NUMBER
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2622

DATE MAILED: 05/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Advisory Action  
Before the Filing of an Appeal Brief**

Application No.

09/764,062

Applicant(s)

MISAWA, TAKESHI

Examiner

Justin P. Misleh

Art Unit

2622

**--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

THE REPLY FILED 02 May 2006 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. ☒ The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.  
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**NOTICE OF APPEAL**

2. ☐ The Notice of Appeal was filed on \_\_\_\_\_. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

**AMENDMENTS**

3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because  
(a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);  
(b) ☐ They raise the issue of new matter (see NOTE below);  
(c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or  
(d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_. (See 37 CFR 1.116 and 41.33(a)).

4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).  
5. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.  
6. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).  
7. ☐ For purposes of appeal, the proposed amendment(s): a) ☐ will not be entered, or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.  
The status of the claim(s) is (or will be) as follows:  
Claim(s) allowed: \_\_\_\_\_.  
Claim(s) objected to: \_\_\_\_\_.  
Claim(s) rejected: \_\_\_\_\_.  
Claim(s) withdrawn from consideration: \_\_\_\_\_.

**AFFIDAVIT OR OTHER EVIDENCE**

8. ☐ The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).  
9. ☐ The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).  
10. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

**REQUEST FOR RECONSIDERATION/OTHER**

11. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because:  
See Attached Correspondence.  
12. ☐ Note the attached Information Disclosure Statement(s). (PTO/SB/08 or PTO-1449) Paper No(s). \_\_\_\_\_  
13. ☐ Other: \_\_\_\_\_.



DAVID OMETZ  
SUPERVISORY PATENT EXAMINER

*Response to Arguments*

1. Applicant's arguments filed May 2, 2006 have been fully considered but they are not persuasive.

2. Applicant argues, "Nowhere in Sekine is there any disclosure or suggestion that the Sekine's honeycomb-type image pick-up device would improve vertical resolution over the semiconductor image pickup device Koyima."

The Examiner disagrees with Applicant's position. Sekine admits the prior art matrix-type image sensors of figure 1A and 2 have larger vertical resolutions than the prior art honeycomb-type image sensor of figure 1C. However, Sekine indicates that the problem with all of the solid-state image sensors in the prior art (figures 1A, 1C, and 2) including those with larger vertical resolutions is poor horizontal resolution. Sekine addresses this problem not by necessarily making the vertical resolution larger than all prior art image sensors; instead, Sekine improves vertical resolution by improving the "horizontal and vertical packing densities". In other words, Sekine reduces the pixel pitch in both the horizontal and vertical directions (see figure 4). The Examiner indicated the improvement Sekine adds is "improving vertical resolutions". All image sensors would benefit from the "improving vertical resolutions" indicated by Sekine.

3. Applicant argues, "Koyima discloses ... these characteristics relate ~~to the~~ <sup>to the</sup> photographing condition of the photographing lens systems, not of the CCD 17" (see Response, page 5).

Applicant additionally argues, "The structure of the honeycomb-type solid-state electronic image sensor corresponds to the structure of on-chip lenses or inner lenses of the honeycomb-type solid-state electronic image sensor" (see Response, page 5).

*ad*  
5/9/06

The Examiner disagrees with Applicant's position. Claim 1 actually requires, *inter alia*, "a structure of lenses of the honeycomb-type solid-state electronic image sensor." Claim 1 does not recite "the structure of on-chip lenses or inner lenses of the honeycomb-type solid-state electronic image sensor", as argued by Applicant. Nevertheless, Koyima's photographing lens system is the lens system for the CCD (17; see figure 3A).